

Device Modeling Report

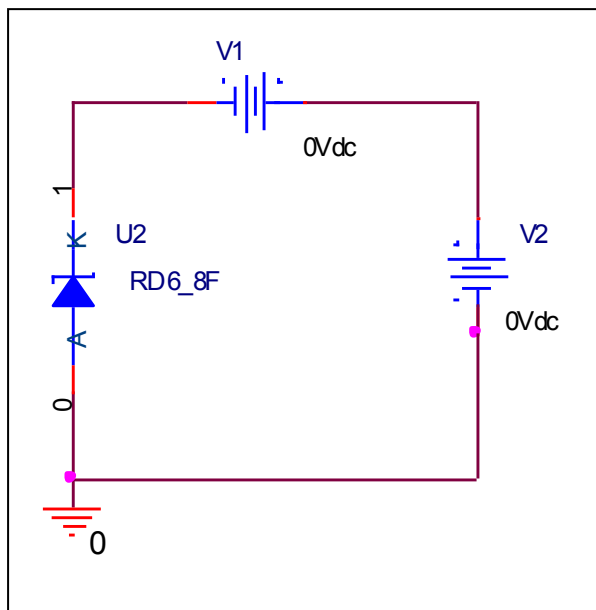
COMPONENTS: Voltage Reference
PART NUMBER: RD6.8F
MANUFACTURER: NEC



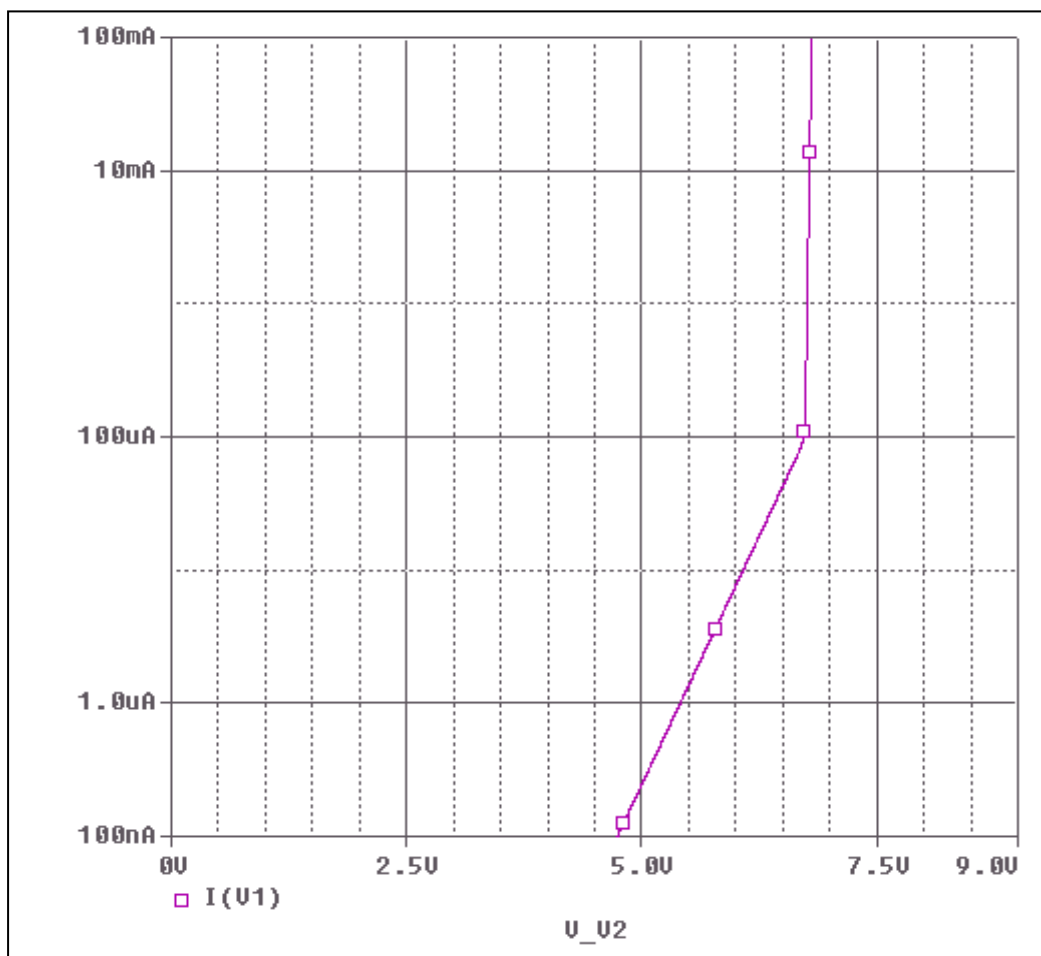
Bee Technologies Inc.

Reverse Characteristic

Evaluation circuit



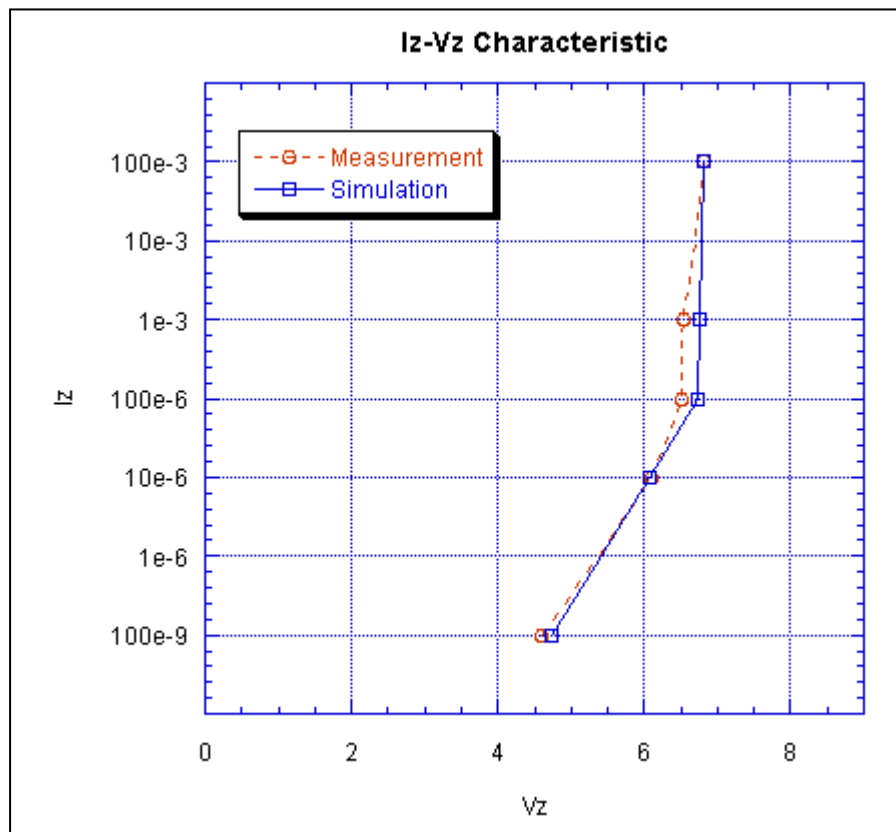
Circuit Simulation Result



Simulation Result/Vz

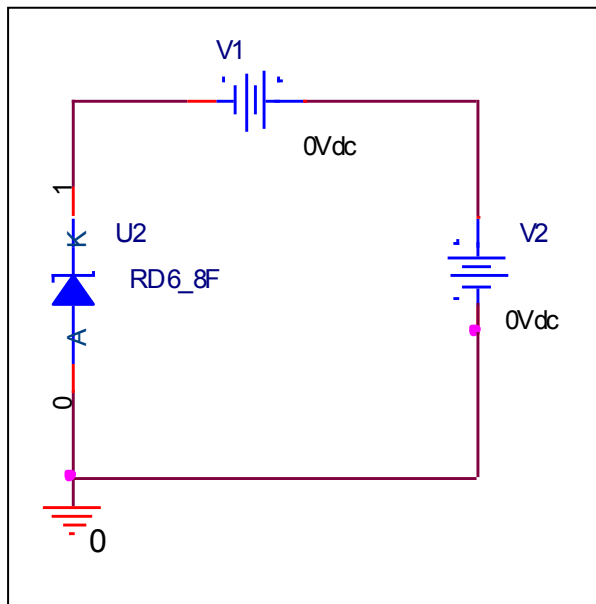
Iz(A)	Vz(V)		
	Measurement	Simulation	Error (%)
100n	4.6	4.7412	3.069565
1u	5.4	5.4063	0.116667
10u	6.1	6.0833	0.27377
100u	6.5	6.7183	3.358462
1m	6.55	6.76	3.206107
10m	6.7	6.7832	1.241791
100m	6.8	6.8112	0.164706

Comparison graph

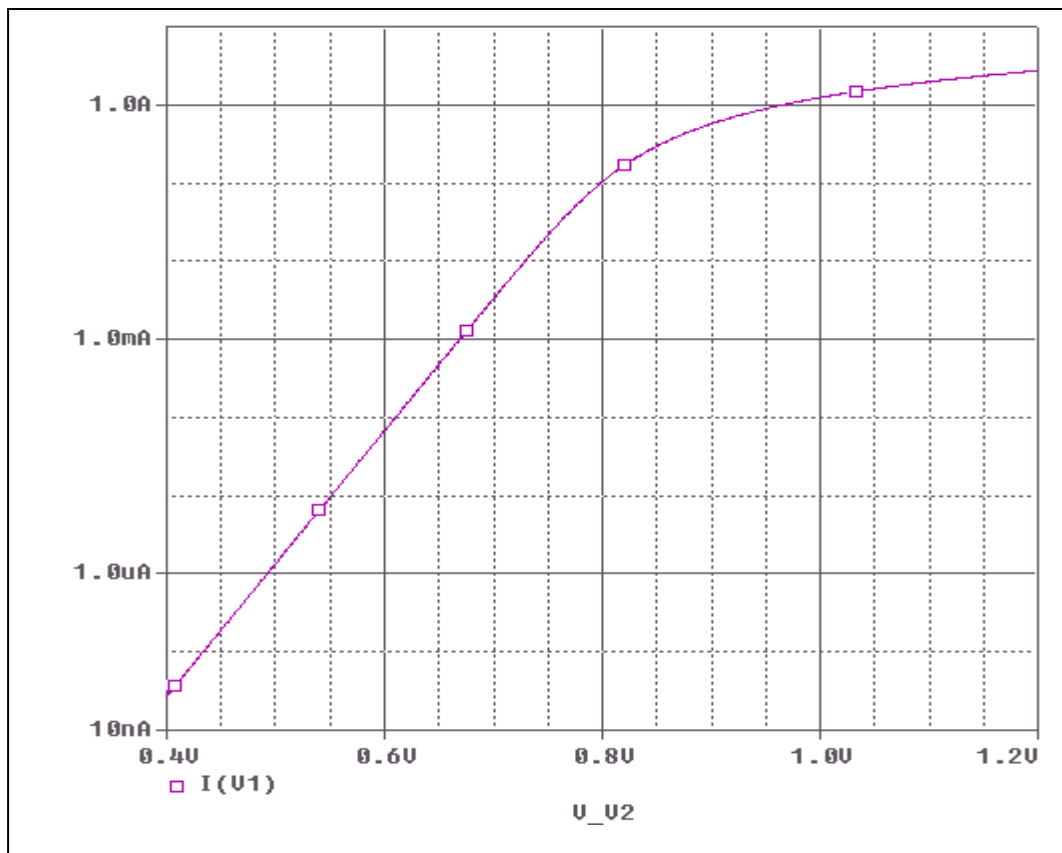


Forward Characteristic

Evaluation circuit



Circuit Simulation Result



Simulation Result/VF

IF(mA)	VF(V)		
	Measurement	Simulation	Error (%)
1	0.669	0.669123	0.018386
2	0.687	0.686813	0.02722
5	0.71	0.710476	0.067042
10	0.729	0.728951	0.006722
20	0.749	0.747889	0.148331
50	0.774	0.774958	0.123773
100	0.799	0.8	0.125156

Comparison graph

